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PATENT & TRADEMARK OFFICE

D.D.DeMasi, Sr.
1216 Beekman Road
Hopewell Junction, NY 12533
(845) 227-5387
(845) 227-7312

January 9, 2004

DECLARATION, SPECIFICATIONS and PETITION

I, Douglas D. DeMasi, declare that I am a citizen of the United States of America residing at 1216 Beekman Road, Hopewell Junction, New York 12533. That I have read the foregoing specifications and claims and I verify, believe, I am the original, first and sole inventor of the invention or discovery in the Universal Permanent Support Self Adhesive double Tape Bracket described and claimed herein. That I do not know and I do not believe that this invention was ever known or used before my invention or discovery thereof, or patented or described in any printed publication in any country before my invention or discovery thereof, or more than one year prior to this application or in public use or on sale in the untied states for more than one year prior to this application. "That this invention or discovery has not been patented in any country foreign to the United States on the application filed by me or assigned more than 123 months before this application." And that no application for patent on this invention or discovery has been filed by me or by my representatives or assigns in any country foreign to the United Sates.

Further, that I acknowledge I have duty to disclose to the Patent and Trademark Office information that I am aware of and this material to the examiner of the application in accordance with, 37 CFR 156 "A".

WHEREFORE, I pray that letters patented be granted to me with the invention or discovery described and claimed in the foregoing specifications and claims, and I hereby subscribe my name to the foregoing specifications and claims, declaration and this petition.

The undersigned petitioner declares further that all statements made herein of his own knowledge are true and that all statements made on this information and belief are believed to be true. And further, that these statements were made within the knowledge that willfully false statements and the like so made are punishable by fine or imprisonment or both under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued hereon.

Inventor's Full Name:	Signature:	Date:
Douglas D. DeMasi 1216 Beekman Road Hopewell Junction, NY 12533	Doug D. DeMasi	January 9, 2004

D. D. DeMasi, Sr.
1216 Beekman Road
Hopewell Junction, NY 12533
(845) 227-5387
(845) 227-7312 – Fax

Date: 1-09-2004

Universal Permanent Support Self-Adhesive Bracket

Invented on November 19, 2002

Abstract

Through time and the changes of buildings there have been many products to help in building a better, safer and less expensive home, garage, shed and warehouse, just to mention a few.

There have been many different braces made by different companies.

But the braces that have been invented, made and sold usually focus on holding the structure member together in an easy and safe manner.

What I have invented goes to the very heart and way beyond.

What I have invented will save thousands of accidents each year alone. I know first hand of working in the construction field with my Grand Dad, and Dad, just how hazardous the job site can be, even the job site that has safety inspectors on the job all the time.

My invention, the universal permanent support self adhesive bracket does so much more, and in a fraction of the time, and at the same time the worker is in a completely safe environment. These are made from metal, steel, aluminum, plastic, just to mention a few materials. Claims 20, 3 drawing sheets

Universal Permanent Support Bracket with Doublesided Adhesive Tape

Inventor – Douglas D. DeMasi
1216 Beekman Road
Hopewell Junction, NY 12533
(845) 227-5387
(845) 227-7312 – Fax

Related U.S. Application Data

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Claims

I claim.

A universal permanent support bracket to be used for fast, easy supporting bracket to hold insulation in place, but not limited to this invention can easily be applied to holding roof rafters, roof trusses, and floor joists just to mention a few.

1. Self-sealing adhesive strip on the support bracket with a protected cover until used, Fig. 1-#1.

2. Installed nail spike for easy and permanent installation. Fig 1-#2.

3. Unfaced or faced insulation will be secured to the back when the protective cover is removed from the support bracket. Fig. 1-#3.

4. Quick and easy to install. No repeats.

5. Wide holding base for complete support. Fig. 2- #4.

6. Simple snap in lock Fog. 3- #5.

7. Reversible ends. For the many different renovation jobs Fig. 5-#6.

8. Easily used for rafters to truss support. Fig. 6-#7.

9. Able to adjust for rough cut or odd shaped beams. Fig. 8-#8.

10. The plate ends are able to rotate 360 degrees for cross support. Fig. 3-#9.

11. The end plate can be flattened down and not be any weaker. Fig. 3-#10.

12. They can be easily installed between the roof truss, and still give full support. #11.

13. The support bracket can be used horizontally also, without any problem #12.

14. One can nail between on the face side of the roof rafter, or floor joist. #13.

15. Easily supports plumbing material. #14.

16. Can be used for air duct system #15.

17. Wide spaced for holding up insulation with less effort. #16.

18. Can be readjusted for modification to the structure #17.

19. The quickest to install, with the least amount of effort.

20. Easy to reuse for another application so there is less waste.

21. Predrilled holes out the side plates. #20.

Background of this Invention

When a worker needs to insulate a structure, home, garage, shed, workshop just to mention a few, the only options are a staple gun, wire bars, or some support brace, made from wire bars.

Anyone using a staple gun will know first hand how slow and tedious the work is. The staple gun is very dangerous with the rick-a-shay causing harm to the worker.

Then there is a more deadly and hazardous way that many still use today to install insulation.

These wire bars are so dangerous to use that the manufacturer puts all kinds of warnings on the label, but no matter how save the work is, there is the constant fear, simply because the insulation wires are always ready to spring back and poke your eye out. Protective eye gear won't always be enough.

Then if another worker is working on the floor above you sometimes the wire will spring loose at any given time.

Furthermore, there is constant moving of the rafters, joists and studs which will lead to even more spring wires coming loose and insulation falling down.

There is also the problem, when the rafter, joists or studs are not spaced evenly so the stapes or wire bars are useless.

You will read about #6,487,825 that claim to be faster and will hold up insulation, but it won't. the wire construction is too thin and weak, also it's too clumsy to work with.

Summary of the Invention

I have invented a way to install insulation many times faster and safer. Also, as an added bonus to my invention, at the same time that the worker is installing the universal permanent support bracket between the rafter, joist, studs, floor trusses, roof trusses, you are automatically making the entire structure stronger.

So, in simple terms, your worker is getting three jobs done at one time, and it's being done faster, safer and much more productively. Furthermore, there are three types of the universal permanent support bracket. The first two are spaced evenly for either the installation of 16" O.C. - Fig. 1 or 24" O.C. Fig. 2. The low profile will allow the installation for flooring and the floor joist, or the installation of sheetrock or any other wall or ceiling or roof material that will go over the universal permanent support bracket and not have to vary on any building.

The first two figures can be installed in many different ways, up, down or side by side.

The next Fig. 3 is able to be very forgiving, and easy to adjust.

Fig. 6 and 7. This universal permanent support bracket will allow the worker to install where the rafters, joist, studs, floor trusses, roof trusses are not 16" O.C. or 24" O.C.

Not only does the body itself move inward or outward, to adjust for the space between the rafter, joist, studs, floor and roof trusses, but the end side plate will also move inward or outward and like the body, will snap back into place, leaving the universal permanent support bracket in place.

Then there are other options for Fig. 3 if need be, you are able to detach the two separate bodies so the worker can attach one end, down and the other end up, and snap lock the two ends together, to a tight and permanent placement. Fig. 8.

Brief Description of the Drawing

Fig. 1. A. Each end of the universal permanent support bracket there is a nail spike, so the worker would be able to install to the wood and not have to juggle around with holding a nail in one hand and a hammer in the other hand.

Fig. 1.B. The side plate has holes already in them to allow easy nailing, if required.

Fig. 1-C. The universal permanent support bracket is evenly spaced for the 16" O.C. insulation that will be installed between the rafter, joist, studs or floor or roof trusses.

Fig. 2-A. At each end of the universal permanent support bracket there is a nail spike, so one would be able to install to the wood and not have to juggle around with holding a nail in one hand and a hammer in the other.

Fig. 2-B. The side plate already has holes in them to allow easy nailing, if required.

Fig. 2-C. The universal permanent support bracket is evenly spaced for the 24" O.C. insulation that will be installed between the rafter, joist, studs or floor or roof trusses.

Fig 3-A. At each end of the universal permanent support bracket there is a nail spike, so one would be able to install to the wood and not have to juggle around with holding a nail in one hand and a hammer in the other hand.

Fig. 2-B. The side plate already has holes in them to allow easy nail, if required.

Fig. 3-C. The main body of the universal permanent support bracket, will contract or expand for use when there is uneven space between rafters, joists, studs, floor or roof trusses.

Fig. 3-D. The outside plates will move inward or outward, if there are rough or uneven or too wide, rafters, joist, studs, floor or roof trusses.

Fig. 3-E. When adjusting the universal permanent support brackets, there is a spring lock that will lock it at any desirable length for a sure and permanent fit.

Fig. 3-F. The body can be reversed, simply by pulling the two sections apart, and inserting them to the proper length with the spring lock.

Fig. 4-A. At each end of the universal permanent support bracket there is a nail spike, so one would be able to install to the wood and not have to juggle around withholding a nail in one hand and a hammer in the other hand.

Fig. 4-B. The side plate already has holes in them to allow easy nailing, if required.

Fig. 4-F. Showing the expansion and the spring lock holder further apart.

Fig. 5-A. The rotation of the universal permanent support bracket

Fig. 6-A. Showing the universal permanent support bracket in place, holding up the insulation, and keeping the floor joists, or the floor trusses from spreading apart for extra support.

Fig. 7-A. Showing the universal permanent support bracket in place, holding the insulation, and keeping the roof rafters, or roof trusses from spreading apart for extra support.

Fig. 8-A. Showing the universal permanent support bracket in place rotated holding a rough cut, odd shape, uneven beam joist, and the rough cut, odd shaped uneven rafter.

Fig. 8-B. Showing the insulation being held up.

Fig 8.-C. Showing the universal permanent support bracket in place in an uneven area with a nice tight and clean fit, suing the spring lock.

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Name of Invention

Universal Permanent Support
Self Adhesive Bracket

Douglas D. DeMasi
Inventor
1216 Beckman Road
Hope Well Jct N.Y.
12533
date MAY 1 2003
PF1073
Phone # 845-227-5389
FAX 227-7312

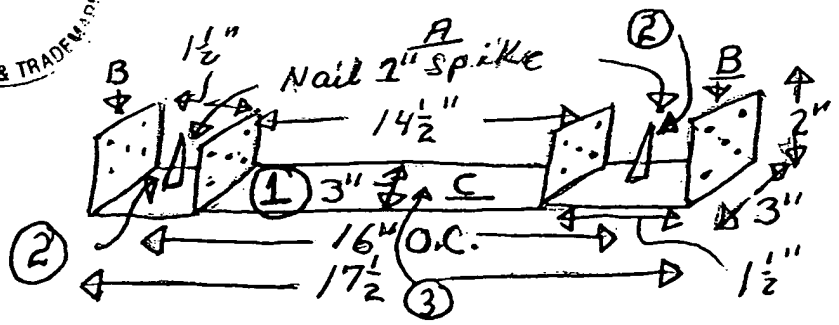
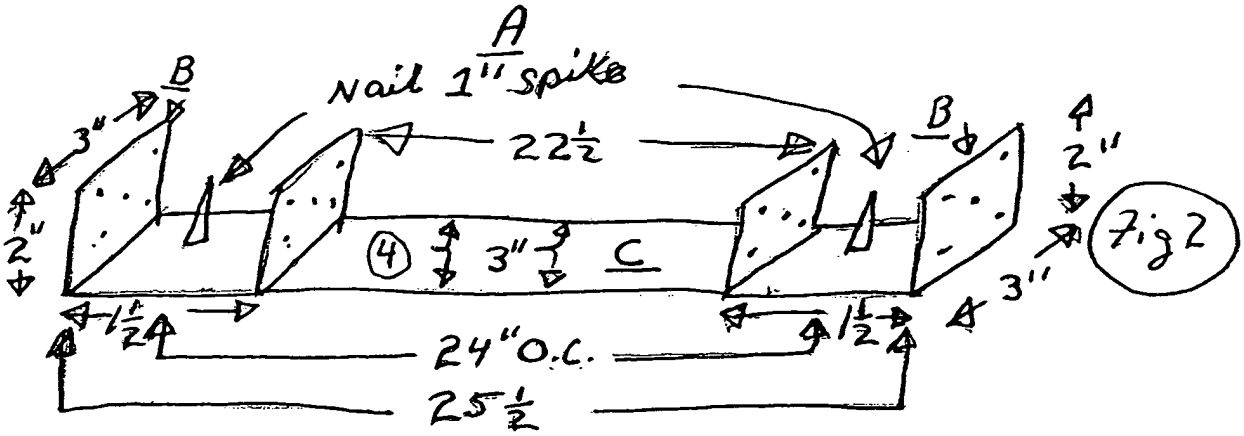


Fig 1



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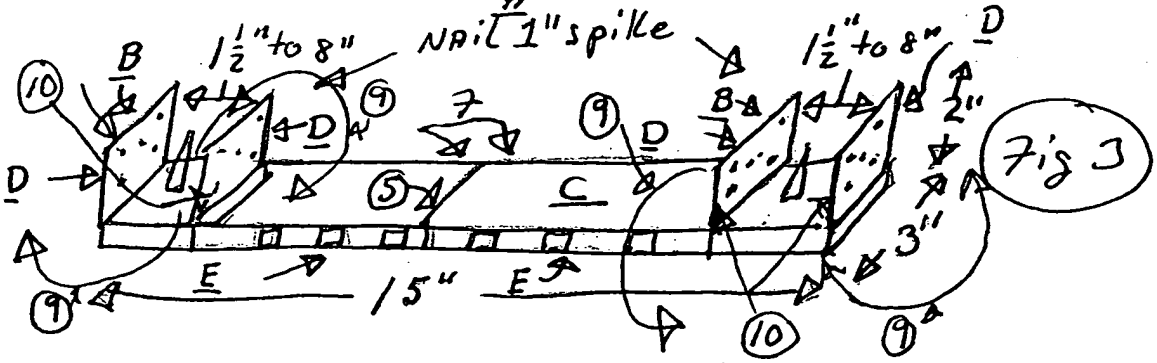

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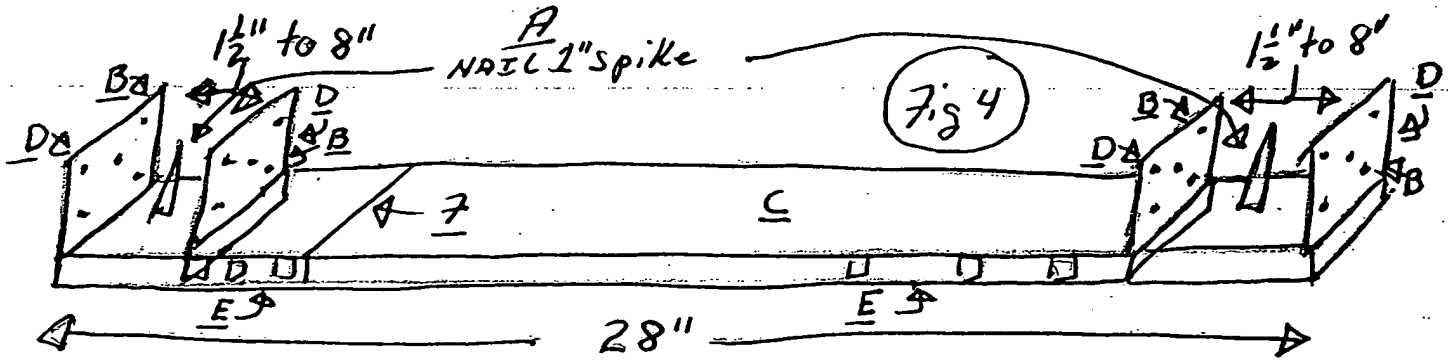

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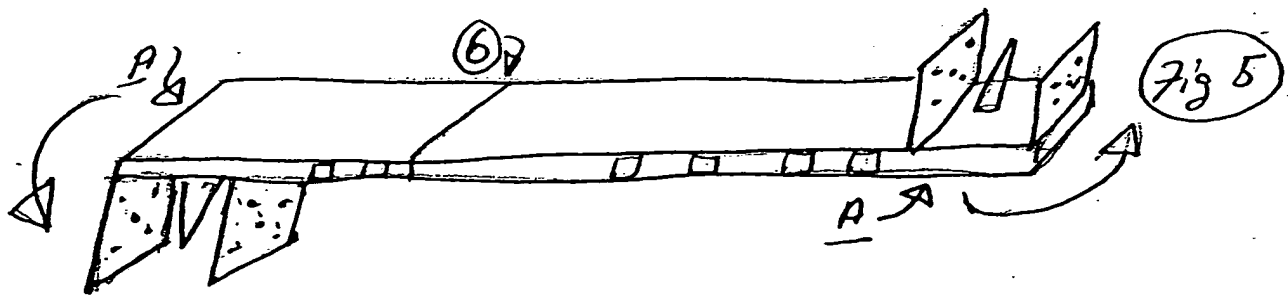

Fig 5

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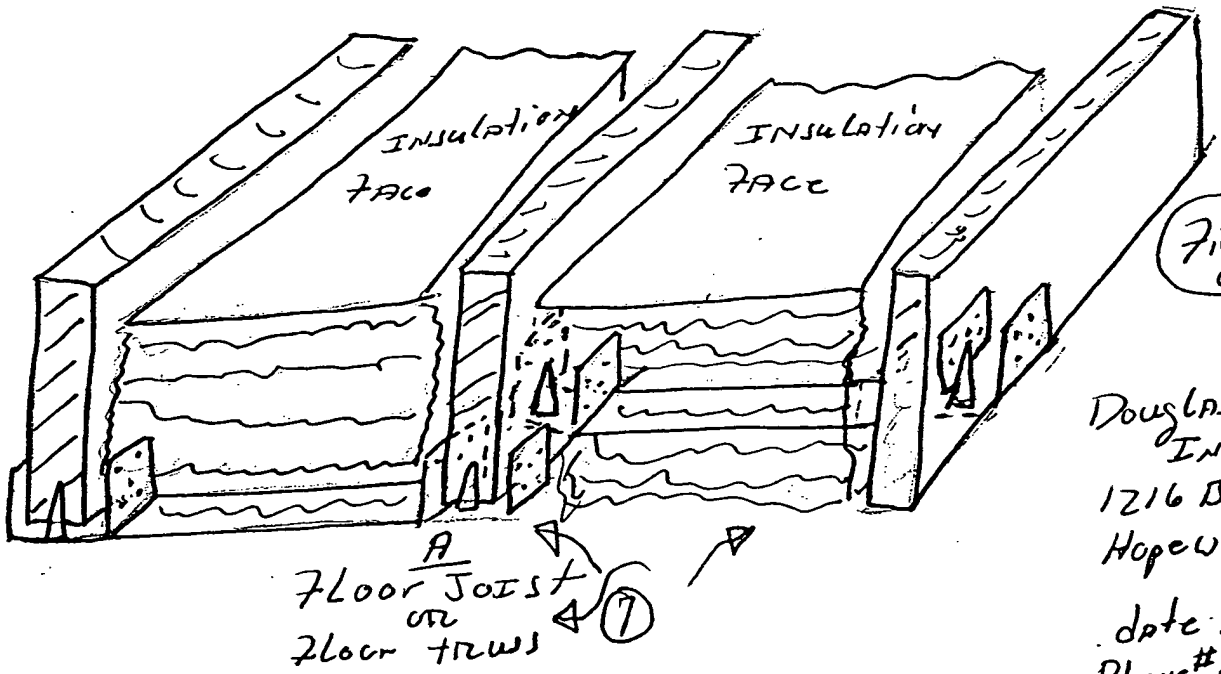

Fig 6

DOUGLAS D. DeMA.
INVENTER
1216 BECKMAN
HOPEWELL JCT N
12533
date MAY 1-200
PHONE# 845-227-53.
FAX 227-731.

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ROOF RAFTERS OR ROOF TRUSS

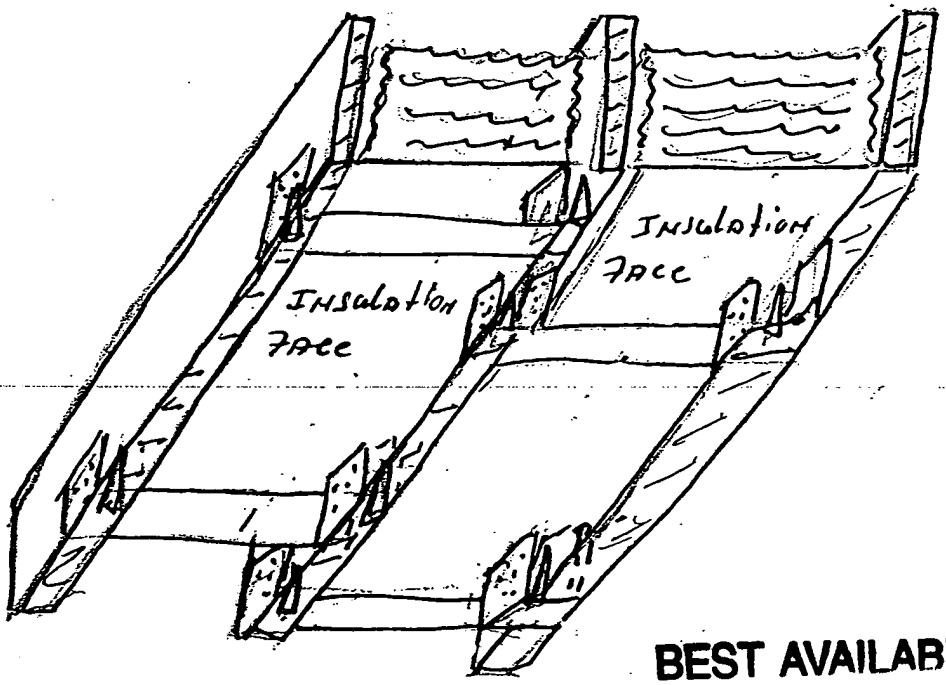

Fig 7

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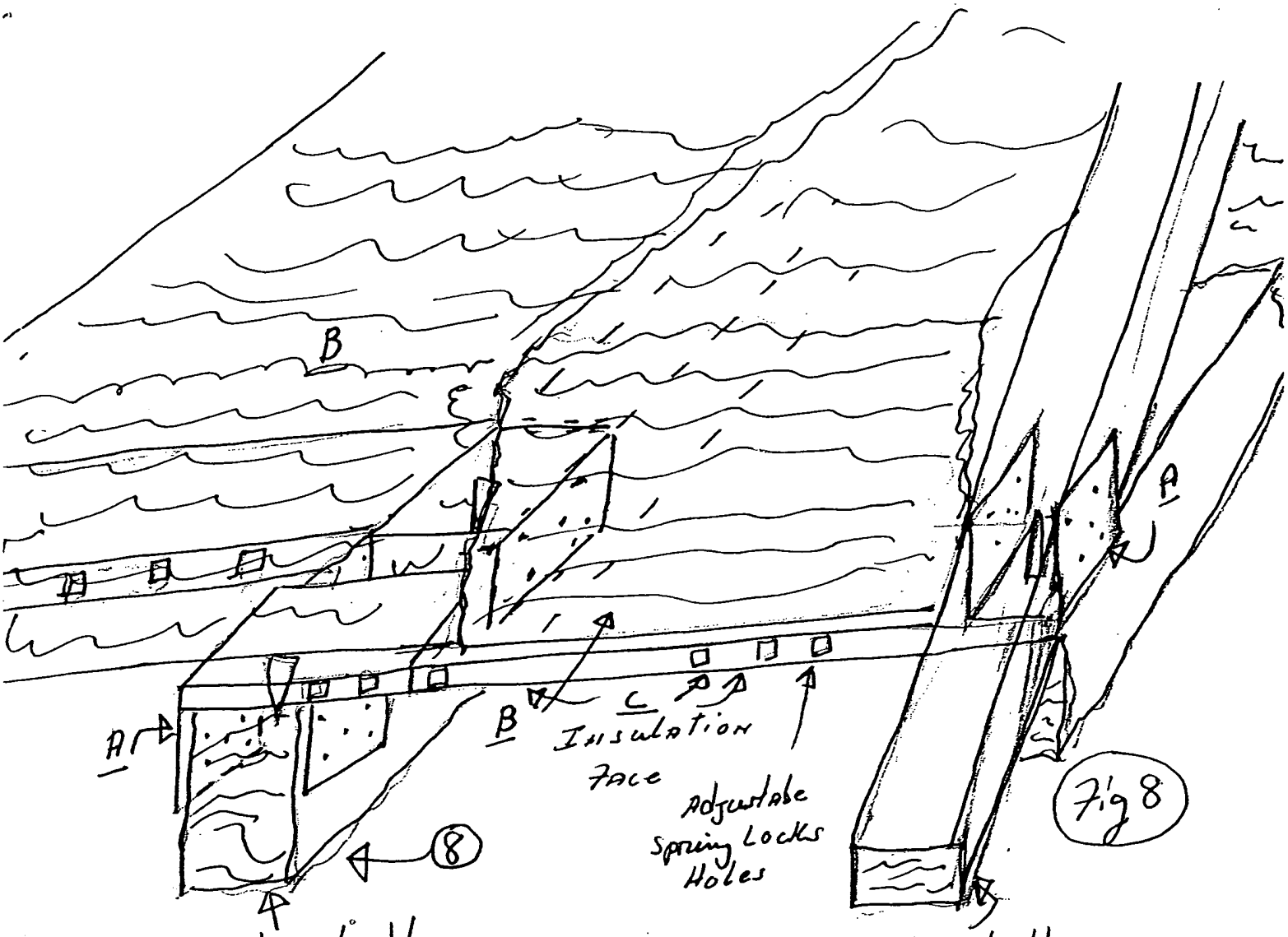

Fig 8

Douglas D. DeMasi
Inventor
1216 Beckman Rd
Hopewell Jct NY
12533
date May 1-2003
Phone# 845-227-5387
FAX 227-7312
Pg 3073

BEST AVAILABLE COPY